

STATEMENT

RELATIVE TO THE

SHUBENACCADE CANAL COMPANY;

WITH

AN ESTIMATE AND PARTICULARS

OF

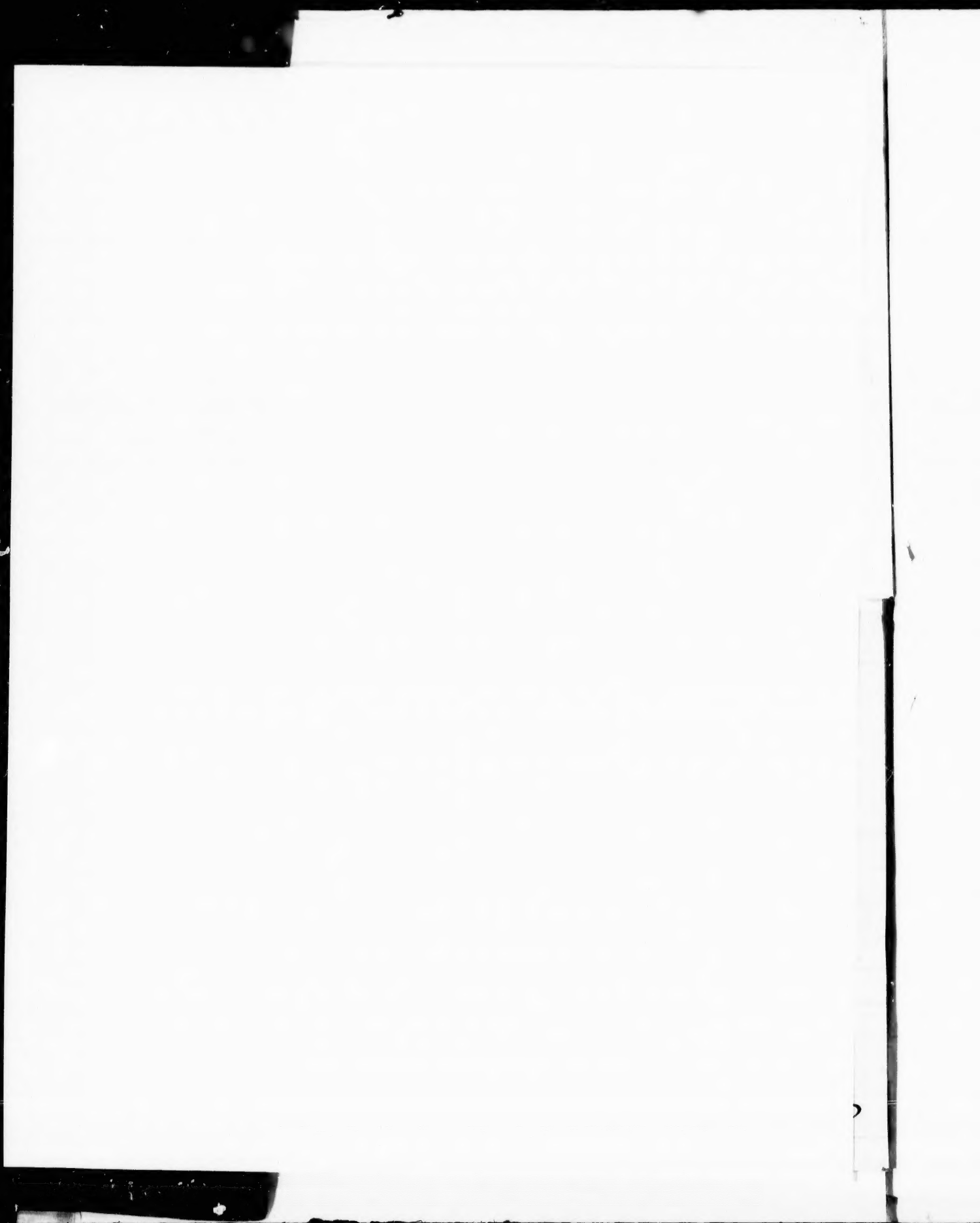
THE SHUBENACCADE NAVIGATION.

FOURTH EDITION

will render perfect.

This ENTERPRISE will not be a success.

concentrated



STATEMENT

RELATIVE TO

THE SHUBENACCADIE CANAL COMPANY.

The PRESENT CAPITAL is (subject to be increased) £60,000, Nova-Scotia Currency, divided into 2400 Shares, of 100 dollars, or £25. each.

Subscribed for in Halifax	720 Shares	£18000
Donation from Provincial Legislature		15000
Shares to be disposed of	1680 Ditto	42000
		<u>£75000 0 0</u>

ANNUAL GRANT from Legislature for ten years, to GUARANTEE INTEREST on future LOANS or SUBSCRIPTIONS

£1500 0 0

EXPENSE OF THE WORKS.

FIRST SECTION.	Estimate for Locks 1, 2, 3, and 4		15632 13 0
	Contract made for Lock No. 5, at	all nearly com- pleted.	£3722 6 6
SECOND SECTION.	Contract made for Locks 6 and 7, at		16101 17 4
THIRD SECTION.	Contract made for Locks 8 and 9, at		8087 8 5
FOURTH SECTION.	Contract made for Locks 10 and 11, at		8331 7 6
FIFTH SECTION.	Estimate for Locks 12, 13, 14, and 15, &c.		<u>23310 10 9</u>
			<u>£36242 19 9</u>

PAYMENTS from August 1, 1826 to May 20, 1829:

For incidental Expenses, Clerks, &c.	1105 14 8½
Charter, Law Charges, &c.	101 15 4
Purchase of Lands	451 3 5½
Interest	131 3 10
To F. Hall, Esq. Engineer, Salary	1844 16 10
J. Kidd, Contractor for 2nd and 3rd Section	20229 19 10
D. Hoard, ditto for Lock No. 5 and 4th Section	1385 0 0
	<u>£25249 14 10</u>

BALANCE payable to Contractors when Contracts completed	£14627 19 11
ESTIMATE of Engineer's Salary, &c. for 1829, 1830, and 1831	2400 0 0
Lands required	1000 0 0
two Steam Tow Boats, £2000.	4000 0 0
Wharves, Lock-keepers' Houses, &c.	900 0 0
Expense of Management, incidental Expenses and other charges for 3 years	1200 0 0
Allowance for Contingencies, &c. &c.	<u>3679 2 4</u>

TOTAL ESTIMATE of Expenditure £66750 6 0
 Less Balance (now in course of payment) of Provincial Grant and Subscriptions 7750 6 0

Halifax Currency £59000 0 0
 Deduct Exchange, 1-10th 5900 0 0

TOTAL AMOUNT required for completing the whole Navigation from Sea to Sea, for Vessels drawing 8 ft. of water, & to cover all attendant expenses (Steam Tow Boats included) is Sterling £54100 0 0

5 ESTIMATE AND PARTICULARS

OF

THE SHUBENACCADIE NAVIGATION.

The TOTAL LENGTH of the NAVIGATION from the WATERS of HALIFAX HARBOUR to the MOUTH of SHUBENACCADIE RIVER in the BASIN of MINES, is 53 miles 1024 yards, and by the River Course nearly SIXTY Miles. The whole Navigable by Sea-going Vessels of 100 Tons, or drawing 8 feet. There are 16 LOCKS.

The AGGREGATE LOCKAGE, from Tide Waters at Halifax to medium High tides in the Basin of Mines is

Ascending 95 feet 10 inches

Descending 95 4

in all 191 feet 2 inches.

The CANAL LINE is divided into FOUR SECTIONS, as follows:

FIRST SECTION

BEGINS in Halifax Harbour, at *High Water* Surface of *Medium Tides*, with Tide Lock of 9 feet depth of water; and *Rises* into Dartmouth Lake by five Locks, 69 feet 4 inches, which distance is 1210 yards.

Estimated Expense:

Tide Lock, No. 1, rise 15 feet 4 inches, at £240. per foot . . .	£3600	0	0
No. 2. 13 6	3120	0	0
No. 3. 13 6	3120	0	0
No. 4. 13 6	3120	0	0
Dam Head at Lock No. 4.	851	10	0
Two Road Drawbridges, £200.	400	0	0
		14211	10 0
Ten ½ Cent. for Contingencies		1421	3 0
		£15632	13 0

Expense per Contract:

Lock No. 5, rise 13 feet 6 inches, including Excavation of Lock Pit . . .	3120	0	0
Raising Dam Head, Dartmouth Lake	174	0	0
Excavation at lower extremity of Lock, 1439 yards, at 1s. 3d.	89	18	9
	3383	18	9
Ten ½ Cent. for Contingencies	338	7	9
		3722	6 6

TOTAL EXPENSE of FIRST SECTION, 1210 yards long £19354 19 6

Lock No. 5. will be completed by the 31st of October, 1829.

SECOND SECTION

BEGINS at South end of Dartmouth Lake, *passes* through the same one mile and 1340 yards, and *rises* into Lake Charles, THE SUMMIT LEVEL, by two Locks, 26 ft. 6 in. over a distance of 1529 yards in length.

Expense per Contract.

Excavation and Embankment, 91,929 yards, at 1s. 3d.	£5745	11	3
Retaining Walls, 1320 yards, lineal	660	0	0
Lock, No. 6, rise 13 feet 6 inches, £230.	2990	0	0
No. 7. 13	2090	0	0
	£12385	11	3
Ten ½ Cent. for Contingencies, and removing all obstructions at Narrows of Dartmouth Lake	1238	11	1
		13624	2 4
Extra for Excavation of 9909 yards of continued Rock, at 5s.		2477	15 0

TOTAL EXPENSE of SECOND SECTION, comprehending the space of 3 miles, 331 yds. £16161 17 4

This Section is on the point of completion. The Lock Gates are hung.

THIRD SECTION

BEGINS at South end of Lake Charles, *passes* through the same (*being* the SUMMIT LEVEL) 2 miles and 1375 yards, and *descends* by two Locks 31 feet 4 inches, into Lake William.

Expense per Contract:

Lock, No. 8, and Waste Wear, descent 15 feet 8 inches	£3213	4	4
No. 9, and ditto 15 8	3113	4	4
Dam for Reservoir on Lake Loon, clearing ditto	177	12	0
	£6504	0	8
Ten 1/4 Cent. for Contingencies including removal of obstructions, &c.	650	8	0
Extra for raising Lake Loon Reservoir to 20 feet		7154	8 8
for cutting head of Lake Charles		565	42 9
for Sluice Gates, &c. in Waste Wears		346	7 0
		21	0 0
TOTAL EXPENCE of THIRD SECTION, being 2 miles, 1375 yards		£8087	8 5

This Section, with the exception of Lake Loon Reservoir, is *completed*.

FOURTH SECTION

BEGINS at South end of Lake William, *passes* through the same and Lake Thomas 6 miles and 240 yards; *descends* 12 feet into Fletcher's Lake; *passes* through the same 2 miles, 1112 yards, and *descends* 9 feet into the Great Lake, which is 9 miles long and a mile and upwards wide.

Expense per Contract:

Lock, No. 10, and Waste Wear, descent 13 feet	£3051	4	4
Extra foot rise, to be paid for conditionally	230	0	0
Drawbridge on Lock Head	115	0	0
		3396	4 4
Lock, No. 11, Waste Wear and Dam Head at the Great Lake, 13ft.	4062	15	0
Drawbridge on Lock Head	115	0	0
		4177	15 0
Ten 1/4 Cent. for Contingencies		£7573	19 4
		757	8 2
TOTAL EXPENSE of FOURTH SECTION, 8 miles and 1375 yards		£8331	7 6

This Section will be *completed* on the 31st of October, 1829.

FIFTH SECTION

BEGINS on Great Lake at South End; *extends* through the same 5 miles and 880 yards to Outlet of River Shubenacadie; *descends* same 3 miles to Lock and Waste Wear under Hall's Bridge; *falls* there 10 feet; *pursues* River Course 2 miles and 1366 yards to Lock and Waste Wear, near Tremains Bridge; *falls* there 10 feet; *pursues* Channel 6 miles to Wardrobes, *falls* there 6 feet, and then *descends* River to Tide Lock at Fort Ellis, 12 miles; and *thence pursues* the River Course, about 13 miles to its Mouth in the Basin of MINES.

Estimated Expense:

Lock No. 12, and Waste Wear, &c. descent 10 feet	£2500	0	0
No. 13, and Ditto 10 feet	2500	0	0
No. 14, and Ditto 6 feet	2500	0	0
Tide Lock No. 15, and Dam Head, &c. 513 ft. long, descent 12ft.	1321	8	0
Two Drawbridges, £115.	230	0	0
Removing Timber and other obstructions in the River	440	0	0
Ten 1/4 Cent for Contingencies		21191	8 0
		2119	2 9
Total <i>Estimate</i> for Fifth Section, comprehending in all 38 miles and 1486 yards		£23310	10 9

FRANCIS HALL,

Engineer,

Halifax N. S. May 20, 1829.